

MAYVILLE STATE UNIVERSITY
ASTR 150 Introduction to Meteorology Lab
Jeff Hovde
Spring 2020
Semester Hours: 1

Contact Info:

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Hours of availability: By appointment

Instruction Mode: Online asynchronous

Time Zone: Central Standard Time

Course Description: A study of the earth's atmosphere and the elements of the weather, weather type and storms, meteorological instruments, and weather maps. This course is especially valuable to persons who plan to teach.

Purpose of the Course

The purposes of Meteorology include meeting the expectations of a MSU and North Dakota University System 'laboratory science' requirement and System 'common course', developing an understanding of basic meteorological principles, and developing a general appreciation of meteorology (and science) and its role in today's society.

Course Objectives

The goals of the MSU Science program are to present current information on aspects of the physical world and to develop logical reasoning, sometimes mathematical, relating one process to another. Meteorology prepares students to explain the basic principles of meteorology and its relationships to other disciplines, to describe different scientific models and how these models are used to stimulate scientific inquiry, and to identify the assumptions and limitations of scientific writing/reporting.

Students who have completed this course should:

1. Recognize, compile, and analyze meteorological data that is essential for both short term and long term weather forecasting.
2. The student will be able to use and understanding of atmospheric structure and the processes of developing weather systems to answer content related questions.
3. The student will be able to use and understanding of biological, social, and economic impacts of current concerns pertaining to climate change and air quality to answer content related questions.
4. Determine the validity of current concerns pertaining to climate change and air quality.

Program Student Learning Outcomes Addressed in This Course

The Academic Program Student Learning Outcomes document can be found in your course shell. It contains all learning outcomes pertaining to Essential Studies courses and all majors and minors. The document has an index, so you can quickly find the degree you are pursuing.

As part of Mayville State's effort to demonstrate continuous improvement in achieving student learning outcomes, this course:

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As part of Mayville State's effort to demonstrate continuous improvement in achieving Essential Studies Learning Outcomes, this course will assess

ELO # ☐1 ☐2 ☐3 ☐4

as part of the Essential Studies and Capstone Courses. As part of Mayville State University's Essential Studies curriculum, this course seeks to prepare students for twenty-first century challenges by gaining: 1) Knowledge of human cultures; 2) Intellectual and practical skills; 3) Personal and social responsibility; 4) Integrative and applied learning.

The assessment activity will involve essay questions.

Course Improvements Based on Most Recent Assessment Findings

This course will not be assessed in the future (based on the 2019-2025 assessment curriculum map) and the findings will not be reported in this syllabus.

Required/Recommended Materials

None

Learning Experiences

- Assignments will be given via the Detailed Schedule. Submit all assignments in Blackboard on designated due dates.

Expectations/Protocols

There will be NO make-up Labs given unless I have been contacted prior to the day of the test with a valid approved excuse. There are very few approved excuses so do not assume that your excuse is sufficient.

I do not accept any late work.

Do not email me to inform me of the grade you need for the course.

Instructor/Student Communication

- Students are accountable for all academic communications sent to their Mayville State University e-mail address.
- I accept no late work.
- I will grade your work within 1 week.
- Assignments are not weighted.
- I will communicate through email and announcements in Blackboard.

Course Grading:

Total Points:

Labs 220 pts	90 - 100%	A
	80 - 89.9%	B
	70 - 79.9%	C
	60 - 69.9%	D

Final Test: None

Course Timeline/Schedule:

The following is a schedule of due dates.

Lab 1	January 17 th	Blackboard	10:00p.m. cst
Lab 2	January 24 th	Blackboard	10:00p.m. cst
Lab 3	February 7 th	Blackboard	10:00p.m. cst
Lab 4	February 14 th	Blackboard	10:00p.m. cst
Lab 5	February 21 st	Blackboard	10:00p.m. cst
Lab 6	February 28 th	Blackboard	10:00p.m. cst
Lab 7	March 7 th	Blackboard	10:00p.m. cst
Lab 8	March 14 th	Blackboard	10:00p.m. cst
Lab 9	March 21 st	Blackboard	10:00p.m. cst
Lab 10	March 28 th	Blackboard	10:00p.m. cst
Lab 11	April 4 th	Blackboard	10:00p.m. cst
Lab 12	April 11 th	Blackboard	10:00p.m. cst
Lab 13	April 18 th	Blackboard	10:00p.m. cst

Important Student Information

In the Blackboard course, you will find a document entitled, "Important Student Information," which includes information about:

- ✓ Academic Grievance Concerns and Instructor English Proficiency
- ✓ Starfish - Student Success System
- ✓ Students with Documented Disabilities
- ✓ Academic Honesty
- ✓ Emergency Notification
- ✓ Continuity of Academic Instruction for a Pandemic or Emergency
- ✓ Family Educational Rights and Privacy Act of 1974 (FERPA)
- ✓ Diversity Statement

The above schedule and procedures in this course are subject to change with prior notice given to students in the event of extenuating circumstances.